

A SALT TOLERANT L-MYO-INOSITOL 1-PHOSPHATE SYNTHASE AND THE PROCESS OF OBTAINING THE SAME

ABSTRACT OF THE DISCLOSURE

A salt tolerant L-myo-inositol 1-phosphate synthase for *Porteresia coarctata* (PINO1), the nucleotide sequences and the deduced aminoacid sequence of which is given below (A).

A. Nucleotide and deduced aminoacid sequence of PINO1 :

atgttcacatgagagcttccgcgtggagagcccgaaagtgcggtaacggcgaggaggagatg
M F I E S F R V E S P H V R Y G A A E I
gagtoggagtagcggtagcactaaggagctggtgcaagagagccagcagcgccctcg
E S E Y R Y D T T E L V H E S H D G A S
cgctgggtcgccgcgcccaagtcogtccagtagccacttcaggaccagcaccacgctcccc
R W V V R P K S V Q Y E F R T S T T V P
aagctogggtgatgctogtgggtggggcggaacaacggtcaacgctgaagggtggg
K L G V M L V G W G G N H G S T L T A G
gtcatgcagcagggagggaatotoatgggacccaaggacaagggtgcagcaagccaac
V I A S R E G I S W A T K D K V Q Q A N
taactatggctcactcaccagggcgtccaccatcagggttaggaagctacaacggggaggag
Y Y G S L T Q A S T I R V G S Y H G E E
atotacgcgoottccaaagagcctccctgggtgaacccctgatgaacottgtgttoggg
I Y A P F K S L L P M V N P D D L V F G
ggctgggacattagcaacatgaacctggctgatgctatgacacagggaagggtgctggac
G W D I S N M H L A D A M T R A K V L D
attgatctgcagaagcagcttaggccttaacatggagtcctggtgctctccctggcatct
I D L Q K Q L R P Y M E S W C L S L A S
atgatcccgacttcacgcgcctaacccagggaatcccgcggaacaatgtcatcaaggga
M I P T S S P L T R D P A R T M S S R E
ccaagaaggagcagatggggcagatcatcaaaaggacatcaggagggttcaaggaaaataac
P R R E R W G R S S K D I R E F K E W N
aaaatggacaaggcggtggtgtgtggactgcaaacactgaaaggtagacaacattgtgtg
K M D K A V V L W T A N T E R Y N N C L
tgtttgggttaatgaccaatggaaaaccttctgctctgtggacagggaaccaggcgagg
C L G L M T W G K P S A S V D R H Q A E
atatcgccatcgacattgtattgcoattgccttgcttoattggagggtgtccgttcaata
I S P S T L Y C E C L A S L E G V R S I
acgggagcccttaaaaaaaaaatcttggcctggaattgacgatottgccattaaaaaaaa
T G A L K K K S W P G I D D L A I K K K
ctgcatgatccgggggatttaattcaaaaaaggggcaaaccaaaaaaaaaaacoggccttg
L P D P G G L I Q K R G K P K K K T G L
gttgatttccctcatgggtgctggaataaagccacotcaattgtcagttacaaccacttg
V D F L M G A G I K P T S I V S Y N H L
gggaataatgatggaacgaacotttctgogcgaacattccgatcaaggagatctcc
G N N D G T W L S A P Q T F R S K E I S
aaaagcagcgtggtgatgacatggtctcaagcaatgctatcctctacgagcctggcgag
K S S V V D D M V S S W A I L Y E P G E
catcctgatcatgttgctgattagtagtgcgtacgtcggagacagcaaggaggcc
H P D H V V V I K Y V P Y V G D S K R A
atggatgagtacacctgaagagatcttcatgggggttaagaacaccatcgtgctgcacaac
M D E Y T S E I F M G G K N T I V L H N
acctgcgaggactcgtccttgctgcaccaatcattcttgacctgggtgctcctggcgag
T C E D S L L A A P I I L D L V L L A E
ctcagcactaggatccagctgaaaggcagggagaggaagaaacaaacaaacaaacaaacaa
L S T R I Q L K G E G E E K F H S F H P
gtgggtaccatccctgagctaccccaaggcgcctctgttccctcctggcaccacagtg
V A T I L S Y L T K A P L V P P G T P V
gtgaacgcctggggaagcagagggtatgctcgagaacacatcagagggtcgtgctggg
V N A L A K Q R A M L E N I M R A C V G
ctggccctgagaaacaacatgatcctggagtagaag
L A P E N N M I L E Y K

(A)